

Allowable Subject Matter

1. Claims 1-19 are allowed.
2. The following is an examiner's statement of reasons for allowance:

with respect to claim 1, the prior art does not teach a transition circuit converting the transmission path of a microwave in a direction either from a waveguide to a microwave transmission line or from a microwave transmission line to a waveguide, said transition circuit comprising: a waveguide having a notched portion formed by cutting away a portion of the wall of the waveguide from the end portion thereof; a dielectric substrate in which a portion extending outside the waveguide through the notched portion of the waveguide is formed, the substrate being coupled to the end portion of the waveguide; a plurality of polygonal conductor patterns formed regularly disposed on the face of the dielectric substrate, which is opposed to the interior of the waveguide; a ground conductor formed on the other face of the dielectric substrate; an electrically connecting portion electrically connecting the ground conductor and each of the conductor patterns; an open stub formed flush with the conductor patterns formed on the dielectric substrate; and a conductor line portion of a microwave transmission line, which is formed on the portion of the dielectric substrate that extends outside the waveguide, the conductor line portion being electrically connected to the open stub.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Don P. Le whose telephone number is 571-272-1806. The examiner can normally be reached on 7AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Barnie Rexford can be reached on 571-272-1812. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Don P Le/
Primary Examiner, Art Unit 2819
6/4/2008